SYSTEM AND METHOD FOR AUTOMATICALLY DESIGNING COMMUNICATIONS CIRCUITS

ABSTRACT OF THE INVENTION

A software interface used in designing communications circuits receives input from a user (20). In response, the software interface initiates accessing of a route plan (16) comprising a first route point group (38) associated with a first circuit end point (34), a second route point group (38) associated with a second circuit end point (34), and one or more routes (32) connecting the first and second route point groups (38). Each route (32) is available for use in designing the circuit. The software interface also initiates selection of a route (32) according to the route plan (16) and initiates the automatic assignment of the selected route (32) to the circuit in designing the circuit. The software interface provides information to the user (20) reflecting assignment of the route (32) to the circuit. The route plan (16) may be selected from among multiple route plans (16) according to a service application (14) automatically derived from an associated circuit order. The software interface may initiate assignment of equipment to the circuit at one or more points along the selected route (32) according to an equipment assignment template (18) specifying characteristics of the equipment. The template (18) may be selected from among multiple templates (18) according to a service application (14).